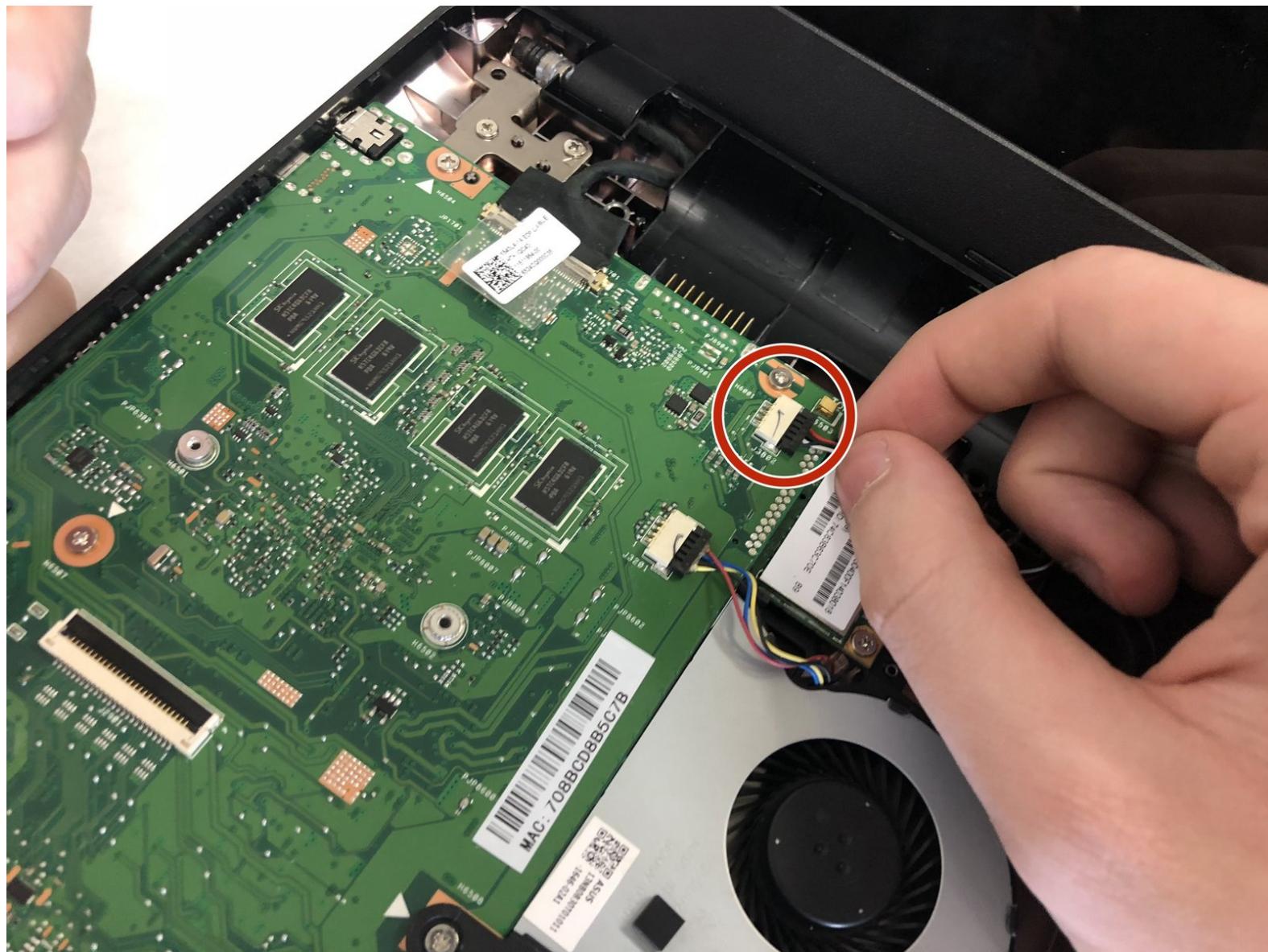




# Asus VivoBook X540SA-BPD0602V Speaker Replacement

This guide will provide help in accessing and removing the speakers from the Asus Vivobook X540SA.

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## INTRODUCTION

Through the course of normal use, it is possible that the in-built speakers in the Asus Vivobook X540SA will become damaged or stop functioning. In this guide, the user will find step-by-step instructions for opening up the device, accessing the speakers, and removing them.

### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Magnetic Project Mat](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Metal Spudger](#) (1)

## Step 1 — Keyboard



- Power down the laptop using the device's power button in top right corner of the keyboard. Ensure that the device's power cord is disconnected.

## Step 2



- Flip the laptop over so the back panel is displayed.

## Step 3



- Using a Phillips #0 screwdriver, remove the ten screws from the back panel.
- Remove the two battery screws (15.6 mm)
- Two top corner screws (12.5 mm)
- Six case screws (9.7mm)

## Step 4



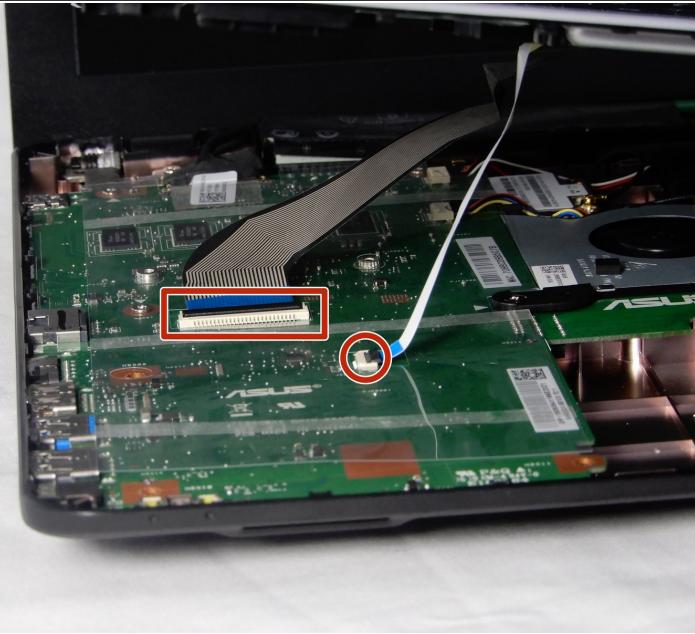
- Flip the laptop back over and open it, revealing the screen and keyboard.

## Step 5



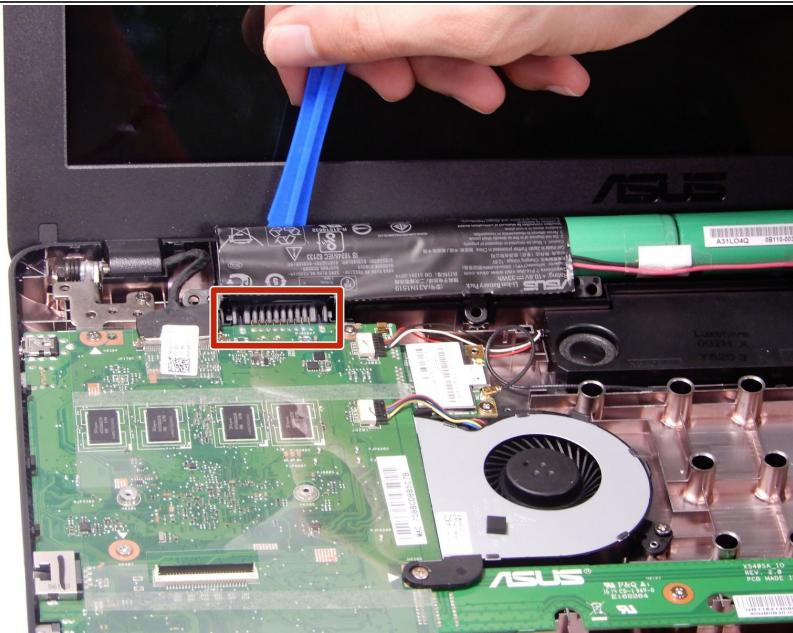
- Use the plastic opening tool to wedge and loosen the seal all the way around the edges. Carefully lift up the keyboard panel.
- ⚠ When lifting the keyboard panel, do not lift it all the way as the two connection ribbons to the motherboard must be disconnected.
- ⓘ It is recommended to break the seal of the case starting at the upper corners closest to the hinge.

## Step 6



- Observe where the ribbons connect to the motherboard; there are two connections. Each connection has a black clamp. To remove the ribbon, lift up the black clamp and disconnect.

## Step 7 — Battery



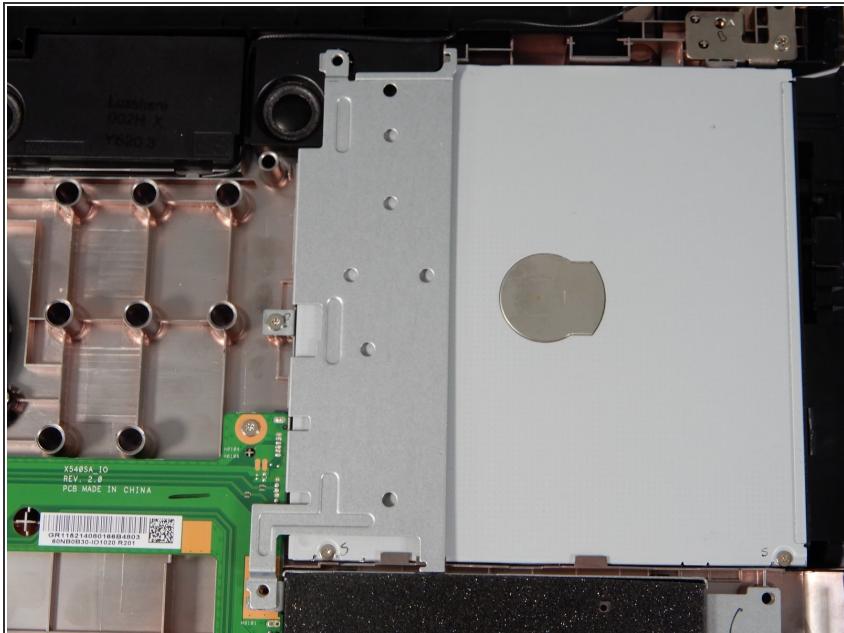
- Very carefully, remove the batteries with the same blue plastic iFixit opening tool used in the first tutorial.

Focus your efforts on the combed hinge to the left of the batteries.

**i** The batteries should all be connected to one another and come out of the device as a single unit.

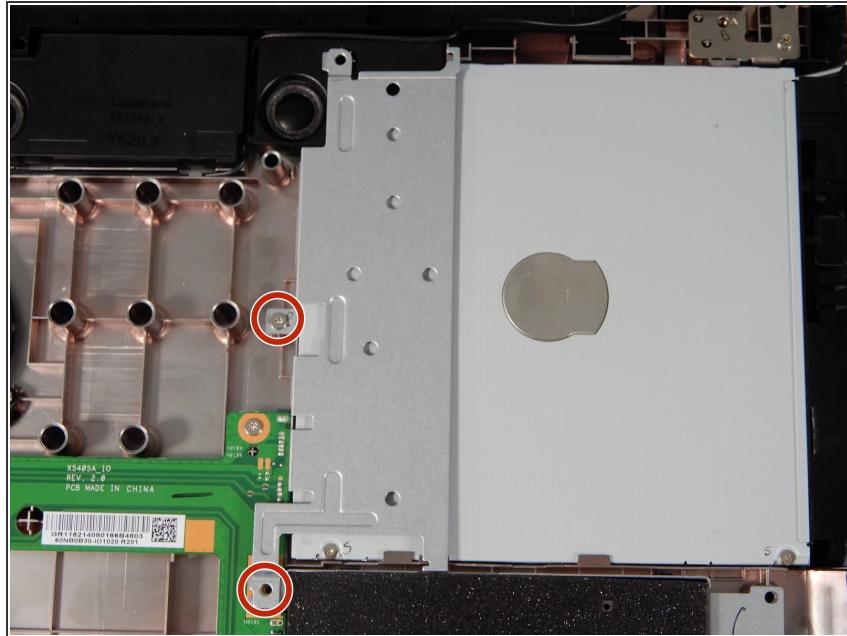
**!** Be careful not to rip any of the black plastic covering the batteries. Exposed battery parts can lead to explosions. If the case is ripped, re-wrap them, or properly dispose of them. Do not use them.

## Step 8 — Disk Drive



- The Disk Drive is located within the upper right hand corner of the laptop.

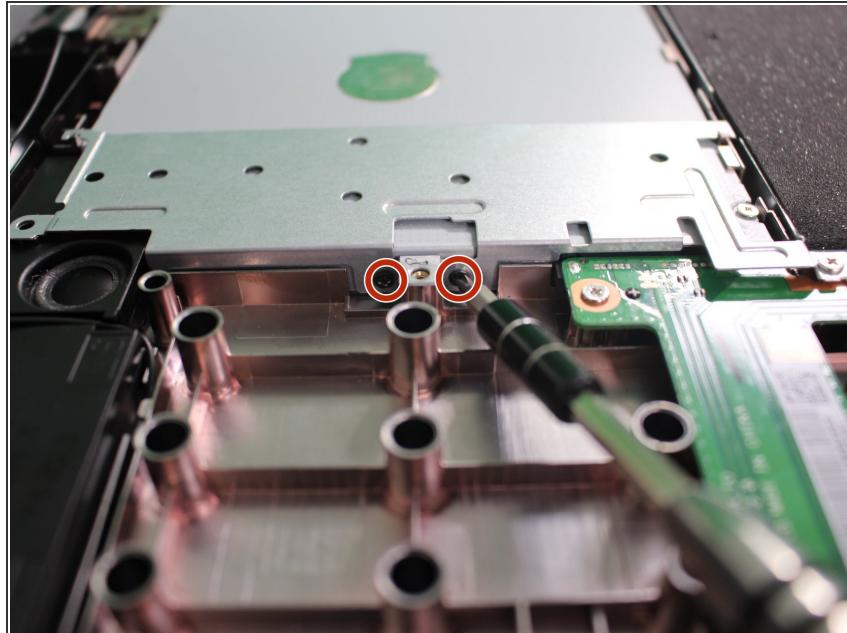
## Step 9



- Using a Phillips #0 screwdriver, remove the two screws (5.6 mm) around the disc drive.

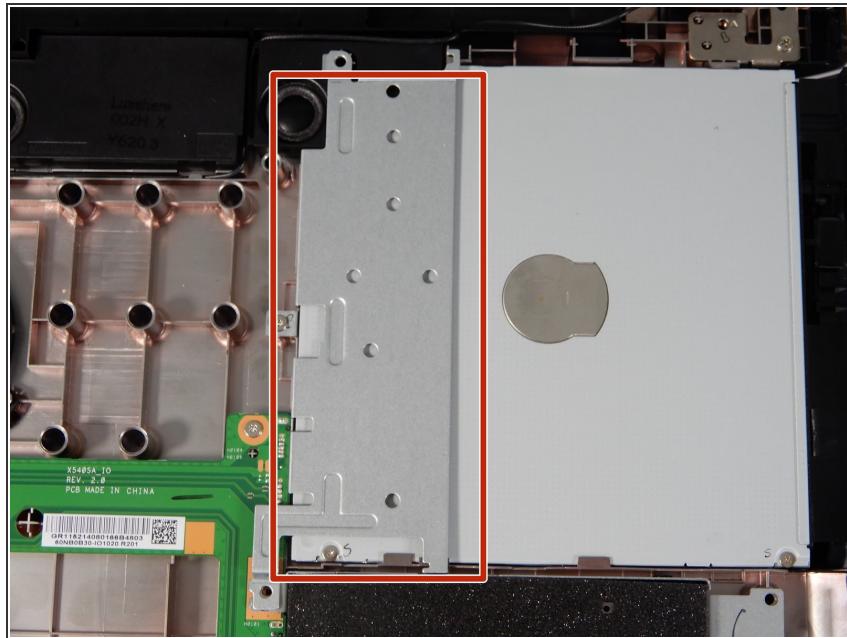
 Note which screws go where. The two smaller screws fasten onto the disc drive, while the three larger screws secure the drive on the outside.

## Step 10



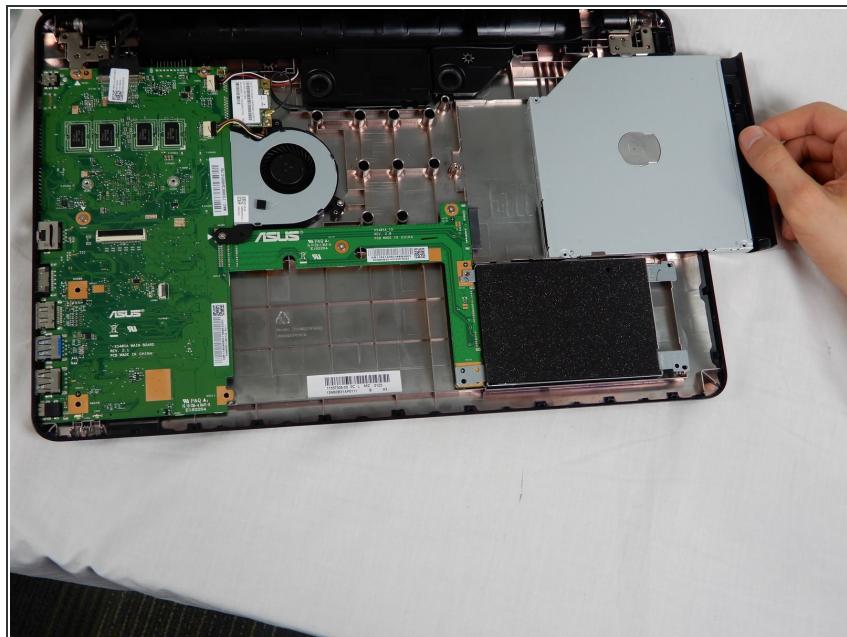
- Use the Phillips #00 screwdriver to remove the two screws (2.7 mm) on the side of the disc drive fastener.

## Step 11



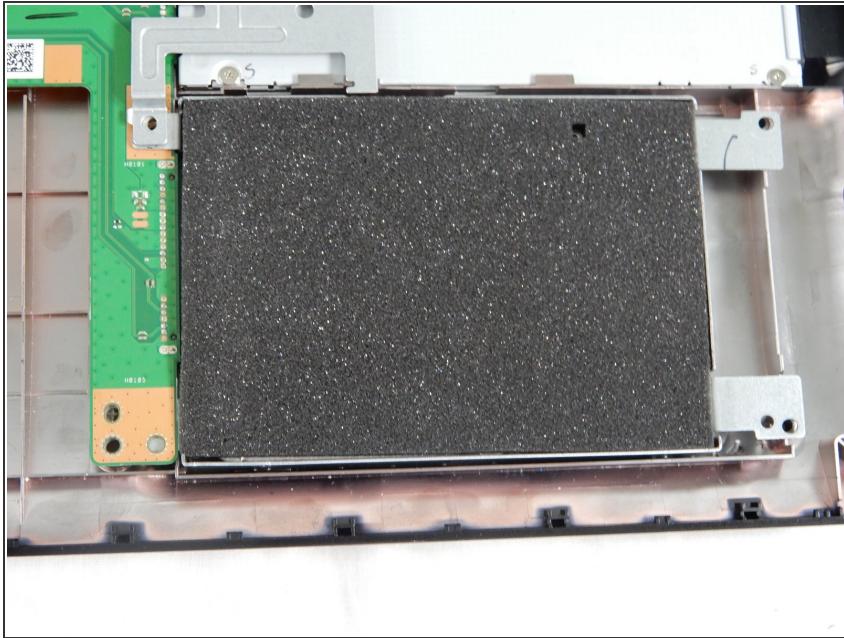
- After removing the seven screws, lift the metal fastener from the disc drive with the plastic opening tool.

## Step 12



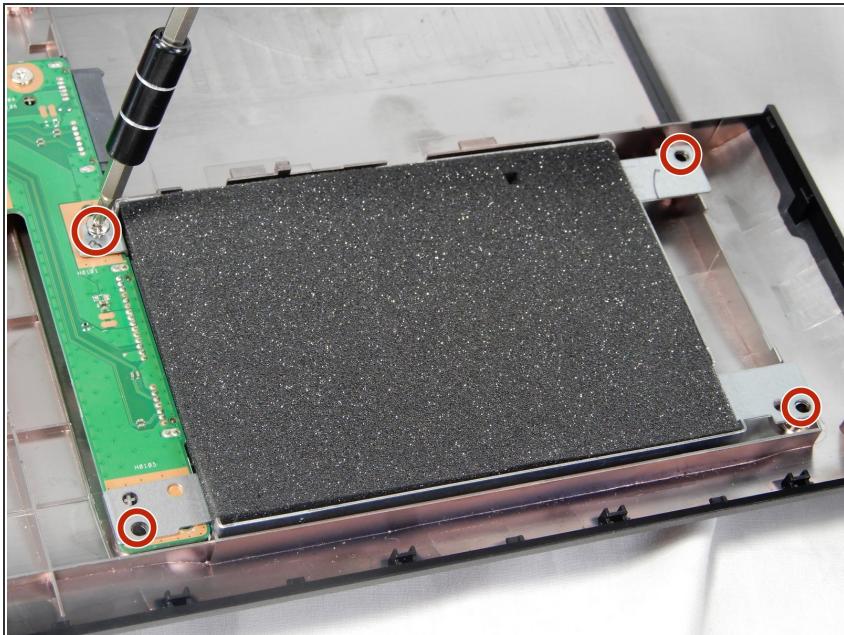
- Slide the disc drive to the right, removing it from the laptop case.

## Step 13 — Hard Drive



- The Hard Drive is located in the bottom right hand corner. It should be the device covered in black foam.
- *i* Do not remove the foam. It's anti-static foam and protects the hard drive from static and any bumps as you move around your device.

## Step 14



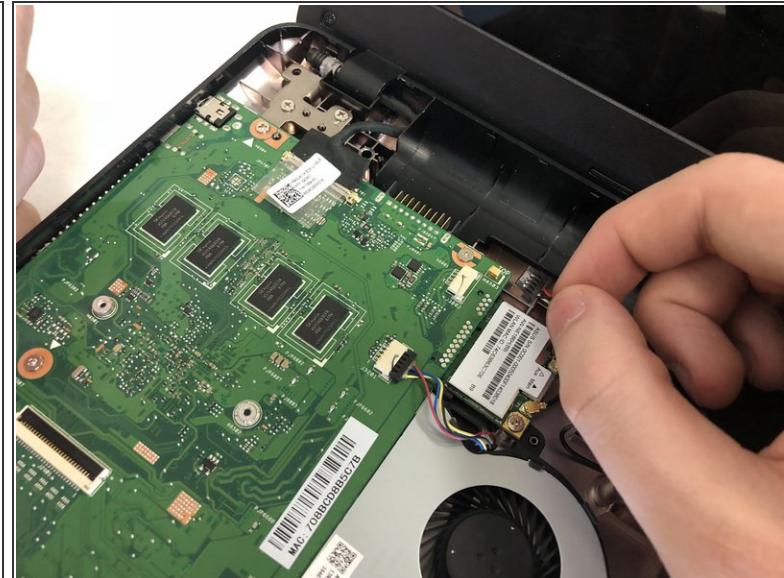
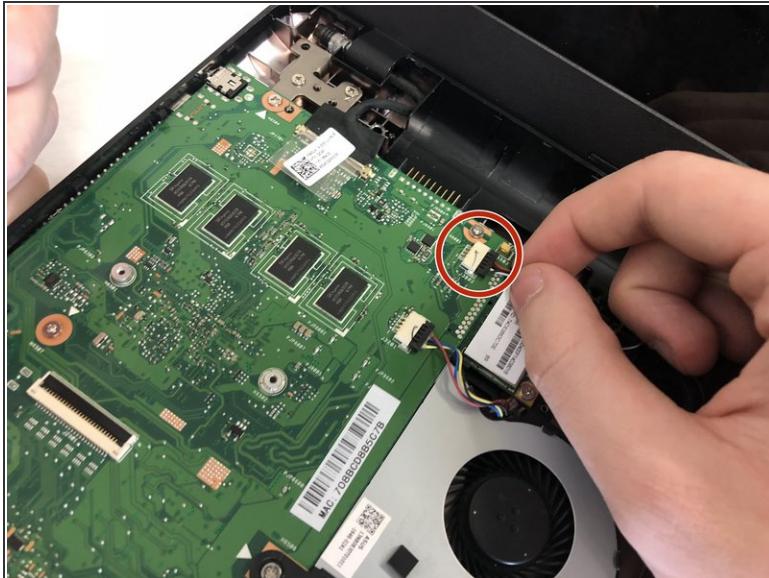
- Using the Phillips #0 screwdriver, unscrew the four (5.7cm) screws around the hard drive.

## Step 15



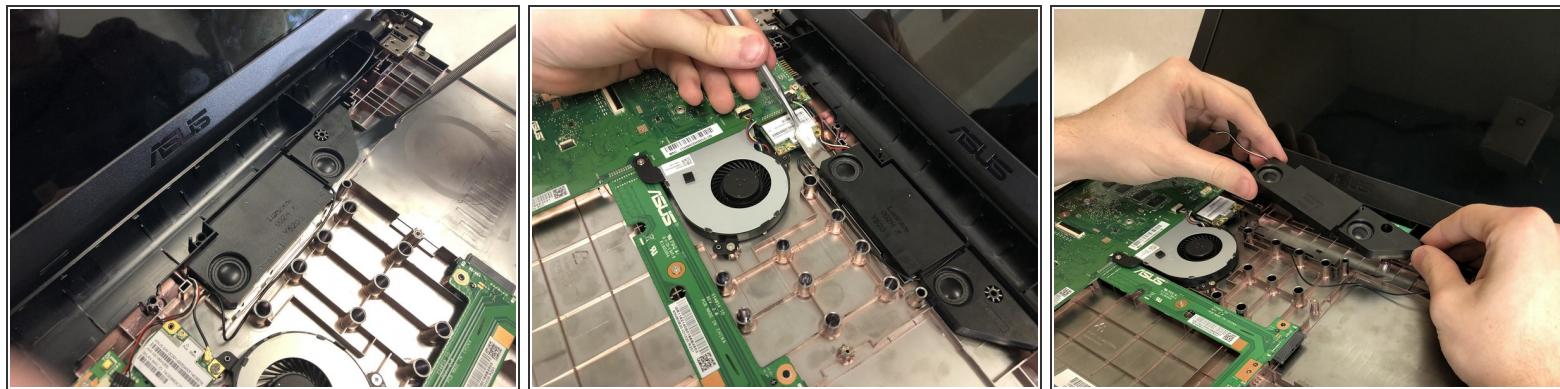
- Using the blue plastic opening tool in the iFixit tool kit, slide the hard drive to the right to remove it from the case.

## Step 16 — Speaker



- Disconnect speaker wire from motherboard.

## Step 17



- Gently use the metal spudger to loosen speaker from adhesive, by first loosening the far right side and working your way to the left.
- *i* When removing the speaker, you may hear a cracking sound. This is okay; it is just the speaker separating from the adhesive.

To reassemble your device, follow these instructions in reverse order.